



<b>UTILITY PATENT APPLICATION TRANSMITTAL</b> (Only for new nonprovisional applications under 37 CFR 1.53 (b))		Attorney Docket No.	TI-36218
		First Inventor	Seetharaman JANAKIRAMAN
		Title	Increasing the SNR of Successive Approximation Type ADCs Without Compromising Throughput Performance Substantially
		Express Mail Label No.	

<b>APPLICATION ELEMENTS</b> See MPEP chapter 600 concerning utility patent application		<b>ADDRESS TO:</b> Assistant Commissioner for Patents Box Patent Application Washington, DC 20231	
1. <input checked="" type="checkbox"/> Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing)		7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)	
2. <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.		8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)	
3. <input checked="" type="checkbox"/> Specification (Total Pages <input style="width: 40px;" type="text" value="38"/> ) (preferred arrangement set forth below)		a. <input type="checkbox"/> Computer Readable Form (CRF)	
- Descriptive title of the Invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the drawings (if filed) - Detailed Description - Claim(s) - Abstract of the disclosure		b. Specification Sequence Listing on: i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or ii. <input type="checkbox"/> paper	
4. <input type="text" value="11"/> Drawing(s) (35 U.S.C. 113) (Total Sheets <input style="width: 40px;" type="text" value="10"/> )		c. <input type="checkbox"/> Statements verifying identity of above copies	
5. Oath or Declaration (Total Pages <input style="width: 40px;" type="text" value="1"/> ) a. <input checked="" type="checkbox"/> Newly executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)		<b>ACCOMPANYING APPLICATION PARTS</b>	
i. <input type="checkbox"/> <b>DELETION OF INVENTOR(S)</b> signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).		9. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s))	
6. <input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76		10. <input type="checkbox"/> 37 CFR 3.73(b) Statement (when there is an assignee) <input type="checkbox"/> Power of Attorney	
		11. <input type="checkbox"/> English Translation Document (if applicable)	
		12. <input type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 <input type="checkbox"/> Copies of IDS Citations	
		13. <input type="checkbox"/> Preliminary Amendment	
		14. <input checked="" type="checkbox"/> Return Receipt Postcard (MPEP 503) (Should be specifically itemized)	
		15. <input type="checkbox"/> Certified Copy of Priority Document(s) (if foreign priority is claimed)	
		16. <input type="checkbox"/> Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent	
		17. <input type="checkbox"/> Other: .....	

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Group Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

<b>19. CORRESPONDENCE ADDRESS</b>					
<input checked="" type="checkbox"/> Customer Number or Bar Code Label		(Insert Customer No. or Attach bar code label here)		or <input type="checkbox"/> Correspondence address below	
		<b>23494</b>			
Name	Mr. Daniel Swazey, Texas Instruments Incorporated				
Address					
City		State		Zip Code	
Country		Telephone	(972)-917-5653	Fax	(972) 917-4418
Name (Print/Type)	Narendra R. Thappeta		Registration No. (Attorney/Agent)	41,416	
Signature			Date	September 15, 2003	

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

17959 U.S. PTO  
 10/663729  
 09/17/03

<b>FEE TRANSMITTAL</b> <b>for FY 2003</b> Effective 01/01/2003. Patent fees are subject to annual revision.		<b>Complete if Known</b>	
Applicant claims small entity status. See 37 CFR 1.27		Application Number	
TOTAL AMOUNT OF PAYMENT (\$)		Filing Date	
1,072.00		First Named Inventor	Seetharaman JANAKIRAMAN
		Examiner Name	
		Art Unit	
		Attorney Docket No.	TI-36218

<b>METHOD OF PAYMENT (check all that apply)</b>				<b>FEE CALCULATION (continued)</b>																																																																																																																																																																																																																																								
<input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None <input checked="" type="checkbox"/> Deposit Account				<b>3. ADDITIONAL FEES</b> Large Entity Small Entity																																																																																																																																																																																																																																								
Deposit Account Number: <b>20-0668</b> Deposit Account Name: <b>Texas Instruments Incorporated</b> The Commissioner is authorized to: (check all that apply) <input type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments <input checked="" type="checkbox"/> Charge any additional fee(s) during the pendency of this application <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.				<table border="1"> <thead> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1051</td> <td>130</td> <td>2051</td> <td>65</td> <td>Surcharge - late filing fee or oath</td> <td></td> </tr> <tr> <td>1052</td> <td>50</td> <td>2052</td> <td>25</td> <td>Surcharge - late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>1053</td> <td>130</td> <td>1053</td> <td>130</td> <td>Non-English specification</td> <td></td> </tr> <tr> <td>1812</td> <td>2,520</td> <td>1812</td> <td>2,520</td> <td>For filing a request for ex parte reexamination</td> <td></td> </tr> <tr> <td>1804</td> <td>920*</td> <td>1804</td> <td>920*</td> <td>Requesting publication of SIR prior to Examiner action</td> <td></td> </tr> <tr> <td>1805</td> <td>1,840*</td> <td>1805</td> <td>1,840*</td> <td>Requesting publication of SIR after Examiner action</td> <td></td> </tr> <tr> <td>1251</td> <td>110</td> <td>2251</td> <td>55</td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>1252</td> <td>410</td> <td>2252</td> <td>205</td> <td>Extension for reply within second month</td> <td></td> </tr> <tr> <td>1253</td> <td>930</td> <td>2253</td> <td>465</td> <td>Extension for reply within third month</td> <td></td> </tr> <tr> <td>1254</td> <td>1,450</td> <td>2254</td> <td>725</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>1255</td> <td>1,970</td> <td>2255</td> <td>985</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>1401</td> <td>320</td> <td>2401</td> <td>160</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>1402</td> <td>320</td> <td>2402</td> <td>160</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>1403</td> <td>280</td> <td>2403</td> <td>140</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>1451</td> <td>1,510</td> <td>1451</td> <td>1,510</td> <td>Petition to institute a public use proceeding</td> <td></td> </tr> <tr> <td>1452</td> <td>110</td> <td>2452</td> <td>55</td> <td>Petition to revive - unavoidable</td> <td></td> </tr> <tr> <td>1453</td> <td>1,300</td> <td>2453</td> <td>650</td> <td>Petition to revive - unintentional</td> <td></td> </tr> <tr> <td>1501</td> <td>1,300</td> <td>2501</td> <td>650</td> <td>Utility issue fee (or reissue)</td> <td></td> </tr> <tr> <td>1502</td> <td>470</td> <td>2502</td> <td>235</td> <td>Design issue fee</td> <td></td> </tr> <tr> <td>1503</td> <td>630</td> <td>2503</td> <td>315</td> <td>Plant issue fee</td> <td></td> </tr> <tr> <td>1460</td> <td>130</td> <td>1460</td> <td>130</td> <td>Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>1807</td> <td>50</td> <td>1807</td> <td>50</td> <td>Processing fee under 37 CFR 1.17(a)</td> <td></td> </tr> <tr> <td>1806</td> <td>180</td> <td>1806</td> <td>180</td> <td>Submission of Information Disclosure Stmt</td> <td></td> </tr> <tr> <td>8021</td> <td>40</td> <td>8021</td> <td>40</td> <td>Recording each patent assignment per property (times number of properties)</td> <td>\$40</td> </tr> <tr> <td>1809</td> <td>750</td> <td>2809</td> <td>375</td> <td>Filing a submission after final rejection (37 CFR § 1.129(c))</td> <td></td> </tr> <tr> <td>1810</td> <td>750</td> <td>2810</td> <td>375</td> <td>For each additional invention to be examined (37 CFR § 1.129(b))</td> <td></td> </tr> <tr> <td>1801</td> <td>750</td> <td>2801</td> <td>375</td> <td>Request for Continued Examination (RCE)</td> <td></td> </tr> <tr> <td>1802</td> <td>900</td> <td>1802</td> <td>900</td> <td>Request for expedited examination of a design application</td> <td></td> </tr> <tr> <td colspan="4">Other fee (specify) _____</td> <td colspan="2">SUBTOTAL(3) (\$)</td> </tr> <tr> <td colspan="4"> <b>1. BASIC FILING FEE</b>  <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1001 750 2001 375</td> <td>Utility filing fee</td> <td>\$750</td> </tr> <tr> <td>1002 330 2002 165</td> <td>Design filing fee</td> <td></td> </tr> <tr> <td>1003 520 2003 260</td> <td>Plant filing fee</td> <td></td> </tr> <tr> <td>1004 750 2004 375</td> <td>Reissue filing fee</td> <td></td> </tr> <tr> <td>1005 160 2005 80</td> <td>Provisional filing fee</td> <td></td> </tr> <tr> <td colspan="3">SUBTOTAL (1)</td> <td>\$750</td> </tr> </tbody> </table> </td> <td colspan="2"> <b>2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE</b>  <table border="1"> <thead> <tr> <th>Total Claims</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>31</td> <td>20***</td> <td>11 X 18</td> <td>\$198</td> </tr> <tr> <td>Independent Claims</td> <td>4</td> <td>3***</td> <td>1 X 84</td> </tr> <tr> <td colspan="3">Multiple Dependent</td> <td></td> </tr> <tr> <td colspan="3">SUBTOTAL (2)</td> <td>\$282</td> </tr> </tbody> </table> </td> </tr> </tbody></table>				Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid	1051	130	2051	65	Surcharge - late filing fee or oath		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet		1053	130	1053	130	Non-English specification		1812	2,520	1812	2,520	For filing a request for ex parte reexamination		1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action		1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action		1251	110	2251	55	Extension for reply within first month		1252	410	2252	205	Extension for reply within second month		1253	930	2253	465	Extension for reply within third month		1254	1,450	2254	725	Extension for reply within fourth month		1255	1,970	2255	985	Extension for reply within fifth month		1401	320	2401	160	Notice of Appeal		1402	320	2402	160	Filing a brief in support of an appeal		1403	280	2403	140	Request for oral hearing		1451	1,510	1451	1,510	Petition to institute a public use proceeding		1452	110	2452	55	Petition to revive - unavoidable		1453	1,300	2453	650	Petition to revive - unintentional		1501	1,300	2501	650	Utility issue fee (or reissue)		1502	470	2502	235	Design issue fee		1503	630	2503	315	Plant issue fee		1460	130	1460	130	Petitions to the Commissioner		1807	50	1807	50	Processing fee under 37 CFR 1.17(a)		1806	180	1806	180	Submission of Information Disclosure Stmt		8021	40	8021	40	Recording each patent assignment per property (times number of properties)	\$40	1809	750	2809	375	Filing a submission after final rejection (37 CFR § 1.129(c))		1810	750	2810	375	For each additional invention to be examined (37 CFR § 1.129(b))		1801	750	2801	375	Request for Continued Examination (RCE)		1802	900	1802	900	Request for expedited examination of a design application		Other fee (specify) _____				SUBTOTAL(3) (\$)		<b>1. BASIC FILING FEE</b> <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1001 750 2001 375</td> <td>Utility filing fee</td> <td>\$750</td> </tr> <tr> <td>1002 330 2002 165</td> <td>Design filing fee</td> <td></td> </tr> <tr> <td>1003 520 2003 260</td> <td>Plant filing fee</td> <td></td> </tr> <tr> <td>1004 750 2004 375</td> <td>Reissue filing fee</td> <td></td> </tr> <tr> <td>1005 160 2005 80</td> <td>Provisional filing fee</td> <td></td> </tr> <tr> <td colspan="3">SUBTOTAL (1)</td> <td>\$750</td> </tr> </tbody> </table>				Large Entity	Small Entity	Fee Description	Fee Paid	1001 750 2001 375	Utility filing fee	\$750	1002 330 2002 165	Design filing fee		1003 520 2003 260	Plant filing fee		1004 750 2004 375	Reissue filing fee		1005 160 2005 80	Provisional filing fee		SUBTOTAL (1)			\$750	<b>2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE</b> <table border="1"> <thead> <tr> <th>Total Claims</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>31</td> <td>20***</td> <td>11 X 18</td> <td>\$198</td> </tr> <tr> <td>Independent Claims</td> <td>4</td> <td>3***</td> <td>1 X 84</td> </tr> <tr> <td colspan="3">Multiple Dependent</td> <td></td> </tr> <tr> <td colspan="3">SUBTOTAL (2)</td> <td>\$282</td> </tr> </tbody> </table>		Total Claims	Extra Claims	Fee from below	Fee Paid	31	20***	11 X 18	\$198	Independent Claims	4	3***	1 X 84	Multiple Dependent				SUBTOTAL (2)			\$282
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																																																																							
1051	130	2051	65	Surcharge - late filing fee or oath																																																																																																																																																																																																																																								
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																																																																																								
1053	130	1053	130	Non-English specification																																																																																																																																																																																																																																								
1812	2,520	1812	2,520	For filing a request for ex parte reexamination																																																																																																																																																																																																																																								
1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																																																																								
1805	1,840*	1805	1,840*	Requesting publication of SIR after Examiner action																																																																																																																																																																																																																																								
1251	110	2251	55	Extension for reply within first month																																																																																																																																																																																																																																								
1252	410	2252	205	Extension for reply within second month																																																																																																																																																																																																																																								
1253	930	2253	465	Extension for reply within third month																																																																																																																																																																																																																																								
1254	1,450	2254	725	Extension for reply within fourth month																																																																																																																																																																																																																																								
1255	1,970	2255	985	Extension for reply within fifth month																																																																																																																																																																																																																																								
1401	320	2401	160	Notice of Appeal																																																																																																																																																																																																																																								
1402	320	2402	160	Filing a brief in support of an appeal																																																																																																																																																																																																																																								
1403	280	2403	140	Request for oral hearing																																																																																																																																																																																																																																								
1451	1,510	1451	1,510	Petition to institute a public use proceeding																																																																																																																																																																																																																																								
1452	110	2452	55	Petition to revive - unavoidable																																																																																																																																																																																																																																								
1453	1,300	2453	650	Petition to revive - unintentional																																																																																																																																																																																																																																								
1501	1,300	2501	650	Utility issue fee (or reissue)																																																																																																																																																																																																																																								
1502	470	2502	235	Design issue fee																																																																																																																																																																																																																																								
1503	630	2503	315	Plant issue fee																																																																																																																																																																																																																																								
1460	130	1460	130	Petitions to the Commissioner																																																																																																																																																																																																																																								
1807	50	1807	50	Processing fee under 37 CFR 1.17(a)																																																																																																																																																																																																																																								
1806	180	1806	180	Submission of Information Disclosure Stmt																																																																																																																																																																																																																																								
8021	40	8021	40	Recording each patent assignment per property (times number of properties)	\$40																																																																																																																																																																																																																																							
1809	750	2809	375	Filing a submission after final rejection (37 CFR § 1.129(c))																																																																																																																																																																																																																																								
1810	750	2810	375	For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																																																																																																																								
1801	750	2801	375	Request for Continued Examination (RCE)																																																																																																																																																																																																																																								
1802	900	1802	900	Request for expedited examination of a design application																																																																																																																																																																																																																																								
Other fee (specify) _____				SUBTOTAL(3) (\$)																																																																																																																																																																																																																																								
<b>1. BASIC FILING FEE</b> <table border="1"> <thead> <tr> <th>Large Entity</th> <th>Small Entity</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>1001 750 2001 375</td> <td>Utility filing fee</td> <td>\$750</td> </tr> <tr> <td>1002 330 2002 165</td> <td>Design filing fee</td> <td></td> </tr> <tr> <td>1003 520 2003 260</td> <td>Plant filing fee</td> <td></td> </tr> <tr> <td>1004 750 2004 375</td> <td>Reissue filing fee</td> <td></td> </tr> <tr> <td>1005 160 2005 80</td> <td>Provisional filing fee</td> <td></td> </tr> <tr> <td colspan="3">SUBTOTAL (1)</td> <td>\$750</td> </tr> </tbody> </table>				Large Entity	Small Entity	Fee Description	Fee Paid	1001 750 2001 375	Utility filing fee	\$750	1002 330 2002 165	Design filing fee		1003 520 2003 260	Plant filing fee		1004 750 2004 375	Reissue filing fee		1005 160 2005 80	Provisional filing fee		SUBTOTAL (1)			\$750	<b>2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE</b> <table border="1"> <thead> <tr> <th>Total Claims</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>31</td> <td>20***</td> <td>11 X 18</td> <td>\$198</td> </tr> <tr> <td>Independent Claims</td> <td>4</td> <td>3***</td> <td>1 X 84</td> </tr> <tr> <td colspan="3">Multiple Dependent</td> <td></td> </tr> <tr> <td colspan="3">SUBTOTAL (2)</td> <td>\$282</td> </tr> </tbody> </table>		Total Claims	Extra Claims	Fee from below	Fee Paid	31	20***	11 X 18	\$198	Independent Claims	4	3***	1 X 84	Multiple Dependent				SUBTOTAL (2)			\$282																																																																																																																																																																																												
Large Entity	Small Entity	Fee Description	Fee Paid																																																																																																																																																																																																																																									
1001 750 2001 375	Utility filing fee	\$750																																																																																																																																																																																																																																										
1002 330 2002 165	Design filing fee																																																																																																																																																																																																																																											
1003 520 2003 260	Plant filing fee																																																																																																																																																																																																																																											
1004 750 2004 375	Reissue filing fee																																																																																																																																																																																																																																											
1005 160 2005 80	Provisional filing fee																																																																																																																																																																																																																																											
SUBTOTAL (1)			\$750																																																																																																																																																																																																																																									
Total Claims	Extra Claims	Fee from below	Fee Paid																																																																																																																																																																																																																																									
31	20***	11 X 18	\$198																																																																																																																																																																																																																																									
Independent Claims	4	3***	1 X 84																																																																																																																																																																																																																																									
Multiple Dependent																																																																																																																																																																																																																																												
SUBTOTAL (2)			\$282																																																																																																																																																																																																																																									

\*\*or number previously paid, if greater; For Reissues, see above

\*Reduced by Basic Filing Fee Paid

<b>SUBMITTED BY</b>		<b>Complete (if applicable)</b>	
Name (Print/Type)	Narendra R. Thappeta	Registration No. (Attorney/Agent)	41416
Signature	<i>Narendra Thappeta</i>	Telephone	+1 (707) 356-4172
		Date	September 15, 2003

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization of PTO-2038.**

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 37 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.